# KX085-5

## 8.5 TONNE MINI EXCAVATOR

**Advanced performance, superior operation**
**Machine weight: 8392/9097(2-piece boom)**
**Engine output: 63.2PS/46.5kW 63.2 (PS)**

# KX085-5 | EXCAVATOR SPECIFICATIONS

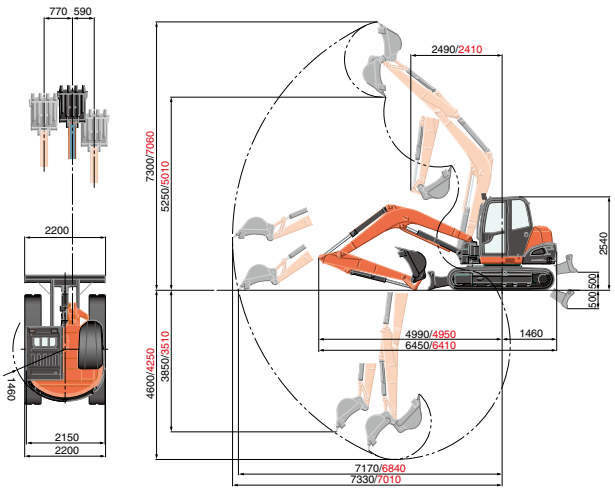
| Model | | KX085-5 | KX085-5 2-piece Boom |
|---|---|---|---|
| **Operating weight*1** | kg | 8467 | 9172 |
| **Bucket capacity, std. CECE** | $m^3$ | 0.13 | 0.25 / 0.21 |
| **Bucket width (without teeth)** | mm | 700 | 800 |
| **Engine** | | | |
| Manufacturer | | KUBOTA | KUBOTA |
| Model | | V3307-CR-TE5-BH-1 | V3307-CR-TE5-BH-1 |
| Type | | Water-cooled, diesel engine E-CDIS (with CRS and DPF) | Water-cooled, diesel engine E-CDIS (with CRS and DPF) |
| Emission standard | | EU Stage V | EU Stage V |
| Output (ISO 14396:2002) (ISO 9249 NET) | kW/rpm | 46.5 / 2000 | 63.2 / 2000 |
| | PS/rpm | 63.2 / 2000 | 46.5 / 2000 |
| Number of cylinder | | 4 | 4 |
| Bore × Stroke | mm | 94 × 120 | 94 × 120 |
| Displacement | cc | 3331 | 3331 |
| **Overall length** | mm | 6450 | 6940 |
| **Overall height** | mm | 2540 | 2540 |
| **Swivelling speed** | rpm | 9.8 | 9.8 |
| **Rubber shoe width** | mm | 450 | 450 |
| **Tumbler distance** | mm | 2300 | 2300 |
| **Dozer size (width × height)** | mm | 2200 × 500 | 2200 × 500 |
| **Hydraulic pumps** | | | |
| P1, P2 | | Variable displacement pump | Variable displacement pump |
| Flow rate | ℓ/min | 84.6 × 2 | 84.6 × 2 |
| Hydraulic pressure | MPa | 27.4 | 27.4 |
| **Max. digging force (arm / bucket)** | kN | 38.1 / 65.2 | 38.1 / 65.2 |
| **Boom swing angle** | deg | 67 / 60 | 67 / 60 |
| **Auxiliary circuit (SP1)** | | | |
| Flow rate | ℓ/min | 100 | 100 |
| Hydraulic pressure | MPa | 20.6 | 20.6 |
| **Auxiliary circuit (SP2)** | | | |
| Flow rate | ℓ/min | 55.8 | 55.8 |
| Hydraulic pressure | MPa | 20.6 | 20.6 |
| **Hydraulic reservoir (tank / full)** | ℓ | 75 | 75 |
| **Fuel tank capacity** | ℓ | 115 | 115 |
| **Max. travelling speed (low / high)** | km/h | 2.7 / 4.8 | 2.7 / 4.8 |
| **Ground contact pressure** | kPa (kgf/$cm^2$) | 36.6 (0.373) | 39.4 (0.402) |
| **Ground clearance** | mm | 356 | 356 |
| **Noise level** | | | |
| LpA / LwA (2000/14/EC) | dB (A) | 72 / 96 | 72 / 96 |
| **Vibration*2** | | | |
| **Hand arm system (ISO 5349-2:2001)** | | | |
| Digging / Levelling | m/s2 RMS | <2.5 / <2.5 | <2.5 / <2.5 |
| Driving / Idling | m/s2 RMS | 4.40 / <2.5 | 4.40 / <2.5 |
| **Whole body (ISO 2631-1:1997)** | | | |
| Digging / Levelling | m/s2 RMS | <0.5 / <0.5 | <0.5 / <0.5 |
| Driving / Idling | m/s2 RMS | 0.879 / <0.5 | 0.879 / <0.5 |

[1] With 75 kg operator, 176.6 kg standard bucket and fully served
[2] These values are measured under specific conditions at maximum engine speed and can deviate, depending on the operating status.

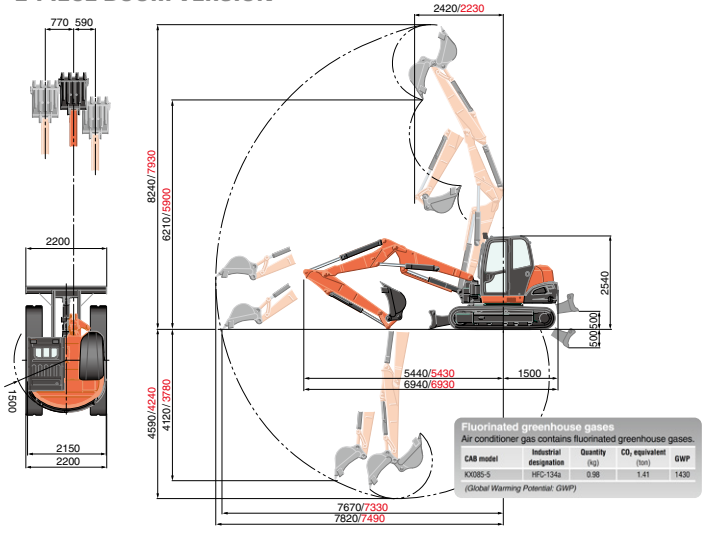
2100 mm arm
1750 mm arm

## WORKING RANGE

Unit:mm




## 2-PIECE BOOM VERSION





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